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Applicant(s): Thomas R. Omstead; Karl B. Levy  
Assignee: Novellus Systems, Inc.  
Title: Atomic Layer Deposition Systems And Methods  
Serial No.: 10/028,610  
Examiner: Matthew J. Song  
Docket No.: M-11953 US

Filing Date: December 19, 2001

Group Art Unit: 1765

COMMISSIONER FOR PATENTS  
Alexandria, VA 22313-1450

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST**

Sir:

The above-identified assignee, hereby revokes all powers of attorney previously given and appoints the attorney(s) and/or agent(s) identified below to prosecute the above-identified application and to transact all business in the United States Patent and Trademark Office in connection therewith:

Alan H. MacPherson (24,423), Edward C. Kwok (33,938); Tom Chen (42,406); David W. Heid (25,875); Jonathan W. Hallman (42,622); Theodore P. Lopez (44,881); Gregory J. Michelson (44,940); David S. Park (52,094)

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**ASSIGNEE CERTIFICATION UNDER 37 CFR 3.73(B)**

The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title and interest in the above-identified patent application/patent by virtue of a chain of title from the inventor(s) of the above-identified patent application/patent to the above-identified assignee as shown below:

1. From: Thomas R. Omstead To: Novellus Systems, Inc.
2. From: Karl B. Levy To: Novellus Systems, Inc.

The document was recorded in the United States Patent and Trademark Office at Reel 012417 Frame 0144. A copy of the document is attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

Date: September 10, 2003

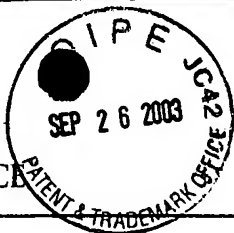
By:   
(Signature)

Name: Roland Tso  
(Printed or Typed Name)

Title: Sr. Counsel



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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

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DOC DATE: 12/18/2001

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DOC DATE: 12/18/2001

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